

**Marblehead IDDE Program
Progress to Date**

Reporting Period	Event	Location	Notes
Jan-12	Public Awareness	---	Began newspaper advertisement
Jan-12	Capped Underdrain	Ocean Ave/Wallace Ave	Capped July 11, 2011
Jan-13	Unburied Manholes	Landfall Apartments	Unburied and documented two MHs
Jul-13	Dye Testing	Village Plaza	No dye observed in drain lines
Jul-13	Dye Testing	Landfall Apartments	No dye observed in drain lines
Jan-14	Pipe Plugged	Lincoln Ave	Suspicious pipe connecting CB 2414 and MH 2458 plugged at both ends
Jan-14	Underdrain	Jersey St	Custom fitting installed in MH 2165 to separate underdrain discharge from the drain channel
Jul-14	Construction	Pleasant St	Phase I of Pleasant Street drainage project completed
Jan-16	Sampling	Northern Zone	All samples in zone below EPA benchmark for enterococci
Jul-16	Sewer Rehab	Southern Zone	Lining of sewer mains, laterals, and manholes
Jan-17	Drain Lining	Central Zone	Lining of 33" RCP main drain line in Pleasant Street area
Jan-17	Sewer Rehab	Central Zone	Dropped sewer line discovered and replaced on Hawkes St.
Jul-17	Drain Lining	Central Zone	Lining of 4.5-ft by 4.5-ft stone culvert in Pleasant Street area
Jul-17	Sewer Rehab	Central Zone	2 broken/leaking sewer services crossing through drain culvert on School Street found and repaired
Jan-18	Sewer Rehab	Central Zone	2 broken/leaking sewer services repaired by Pleasant Street
Jan-18	Drain Rehab	Central Zone	Replaced aging stone culvert/structures, Pleasant St Phase II
Jan-19	Drain Rehab	Goldthwait Marsh	Repaired outlet, stabilized bank, installed DMH and 2 CBs, installed granite curbing
Jun-20	Sampling	Town wide	Sampling conducted by Town and SSCW
Jan-21	Public Education	--	RE-SUMP Program
Jun-21	Public Awareness	--	Sustainable Marblehead Adopt-a-Drain
Jun-21	Sampling	Town Wide	Sampling conducted by Town and SSCW

**Marblehead Illicit Discharges
Removed to Date**

Drain Structure	Street	Contamination Source	Pipe Size (in)	Pipe Material	Estimated Flow (gpd)	Removal Date	Removal Method
MH 22	Ocean Ave	Sewer Underdrain	6	VC	1440	July-11	Mechanical Plug
CB 2414	Lincoln Ave	Contaminated Infiltration	12	VC	2880	January-14	Mechanical Plugs
P 3141_3140	School St	Broken Sewer Service	4	CI	1440	July-17	Repair
P 3138_3140	School St	Leaking Sewer Service	4	CI	1440	July-17	Repair

Total 7,200

**Marblehead IDDE Program
Suspicious Structures**

ID #	Type	Date	Street	Reason	Notes
23	CB	Jan-18	Ocean	Possible discharge location of underdrain	Record DWGs 5, 64
25	MH	Jan-18	Wallace	Suspicious discharge	2" pipe near bottom of culvert, orange gunk, stagnant water in pipe
29	MH	Jul-12	Bubier	Possible discharge location of underdrain	Record DWG 189
29	MH	Jan-18	Bubier	Animal tracks	Raccoon tracks in pipes/culvert
30	CB	Jul-12	Bubier	Possible discharge location of underdrain	Record DWG 189
33	CB	Jul-14	Orchard	Unknown pipe	Pipe of unknown origin in CB 33, no flow in either direction
118	MH	Jul-12	Atlantic	Possible discharge location of underdrain	Record DWG 69; Natural bottom, possible underdrain
317	MH	Jul-14	Pleasant	Suspicious discharge	By Veterans School; whitish-grey substance found below joint of 8" sewer pipe thru MH; no flow through DMH
347	MH	Jan-18	Bubier	Animal tracks	Raccoon tracks in pipes
358	MH	Jul-14	West Cottage	Not found, buried	MH sheet shows different pipes and MH location unknown
361	MH	Jul-14	Pleasant	Unknown pipe	Pipe of unknown origin, blocked by growth, to MH 358?
2165	MH	Jan-14	Jersey	Possible discharge location of underdrain	Moved during water main construction; custom fitting installed to separate underdrain discharge from drain channel
2168	MH	Jan-14	Jersey	Unknown pipe	Pipe of unknown origin, angled towards 28 Evans, high ammonia levels
2171	MH	Jul-13	Jersey	Possible discharge location of underdrain	Record DWG 59; nothing visible after cleaning
2260	MH	Jul-16	Pleasant	Suspicious standing water	Standing water with yellow bubbles, thick with floating brown substance
2261	CB	Jul-16	Pleasant	Suspicious standing water	Standing water with yellow bubbles, thick with floating brown substance
2270	MH	Jul-16	Bessom	Unknown pipe	Unknown connections; small size makes it difficult to inspect manhole
2302	MH	Jan-16	Green	Pipe blockage	Blockage causing water level in MH to rise above bench
2303	MH	Jan-16	Green	Groundwater infiltration	Suspected infiltration entering between MH 2302 and MH 2303, water clean
2309	MH	Jan-16	Green	Suspicious discharge	Wall wet/black substance under hole (old pipe connection?) covered in bricks
2337-1	MH	Jul-12	Chestnut	Possible discharge location of underdrain	Record DWG 48; nothing visible under sewer
2337-2	MH	Jul-12	Chestnut	Possible discharge location of underdrain	Record DWG 48; nothing visible under sewer
2339	MH	Jul-12	Chestnut	Possible discharge location of underdrain	Record DWG 48; nothing visible under sewer
2415	MH	Jan-16	Lincoln Ave	Leak/unknown pipe	Leak under connection to CB 2414; Unknown pipe from direction of parking lot; old sidewalk drain connection
2416	MH	Jan-16	Lincoln Ave	Old pipe connection	Old sidewalk drain connection
2428	MH	Jan-14	Hoods Lane	Groundwater infiltration	Pipe connecting MH 2428 to CB across street; Confirmed infiltration via visual inspection
2430	CB	Jan-16	Hoods Lane	Suspicious discharge	Unknown pipe from direction of parking lot
2432	MH	Jan-16	Lime	Suspicious discharge	Unknown pipe from direction of nearby building; dumpster next to MH (grated top)
2458	MH	Jan-14	Lincoln Ave	Buried MH	By 15 Lincoln Ave
2459	CB	Jan-14	Lincoln Ave	Connects to buried MH	High ammonia readings from discharging pipe coming from a buried MH on property of 15 Lincoln Ave
	MH	Jan-14	Lincoln Ave	Buried MH	Under 15 Lincoln Ave driveway
3659	MH	Jul-12	Deverux	Possible discharge location of underdrain	Record DWG 174; Combined sewer/drain; no underdrain
3757	MH	Jul-14	Atlantic	Major infiltration around outgoing pipe	Test results show infiltration water is clean
3820	CB	Jan-17	Central	Suspicious smell	Smells of sewage, standing grey water
3824	CB	Jan-17	Central	Unknown pipe	Unknown pipe from direction of nearby home, invert lower than outgoing pipe
3837	MH	Jul-12	Chestnut	Possible discharge location of underdrain	Record DWG 48; nothing visible under sewer
3838	MH	Jul-12	Chestnut	Possible discharge location of underdrain	Record DWG 48; nothing visible under sewer